

21. **Allowable Emissions:** The Permittee shall not allow emissions into the atmosphere to exceed any of the following limits:

	Daily Emission Limits	Twelve Month Rolling Total Emission Limits
Volatile Organic Compounds (VOCs)		
Total Suspended Particulates		
Particulates Smaller Than 10 Microns (PM10)		

The twelve month rolling total shall be calculated within 15 days following the end of each calendar month by summing the emissions over the most recent twelve calendar months.

22. **Controls:**

- a. The Permittee shall conduct all spray painting activities inside of a paint booth with all exhaust filters installed without gaps in accordance with the manufacturer's specifications. The filters shall have an over spray removal efficiency of at least 92% for the type of material being sprayed as certified by the filter manufacturer.
- b. The Permittee shall not conduct any coating operation, except as provided in 22.c. below, unless it is performed with a spray gun or other application equipment that is in the category listed below.
 1. A low pressure gun,
 2. An airless system, or
 3. An electrostatic system.
- c. The Permittee shall not use a conventional air atomized spray gun, any spray gun using atomized air in excess of 12 psig, or a spray gun which the manufacturer specifies in writing can be used effectively above 12 psig, except in the following circumstances:
 1. For applying materials that have a VOC content not exceeding 3.0 lb_{VOC}/gal as applied, less water and non-precursor compounds.
 2. If such guns are designed and used solely for detailing and touch up with a maximum reservoir capacity of 8.8 fluid ounces (250 cc).
 3. If such guns are used to apply adhesives.
- d. The Permittee shall use a gun cleaning machine to clean all paint guns. Manual cleaning outside of the cleaning machine is allowed if done as an adjunct to the cleaning machine function and is done without spraying cleaning solvent with the gun.
 1. The gun cleaning machine shall:
 - A. Be designed to clean paint guns and be kept in proper repair and free from liquid leaks.

- B. Have at least one pump which drives cleaning solvent through and over the gun, and a basin which permits containment of the cleaning solvent.
 - C. Have all covers and other surfaces that are exposed to gaseous or liquid VOC solvent be impervious to both gaseous and liquid VOC solvent.
 - 2. All automatic gun cleaning machines:
 - A. Shall be self-covering or enclosed when not loading or unloading.
 - B. Shall have a self closing cover or other self enclosing feature, which in the cover's closed position, allows no gaps exceeding 1/8 inch width between the cover and the cabinet.
 - C. Shall be designed to prevent operation of its mechanical cleaning feature unless it is completely covered or enclosed to the gap limit of 1/8 inch.
 - 3. All non-automatic remote reservoir gun cleaning machines:
 - A. Shall be designed such that cleaning solvent drains from the work space quickly and completely into a remote reservoir when the work space is not in use.
 - B. Shall have total reservoir openings, including the drain opening(s), of two square inches or less.
 - C. Are allowed to be designed in a way such that the base of the work space functions as the reservoir's top surface, as long as the fit or seal between the sink base and the reservoir container allows the reservoir to meet the opening limits specified in the preceding paragraph.
- e. Vehicle surface preparation liquids and surface cleaning liquids shall not be applied in a mist (finely atomized) spray.

23. Material Limits:

- a. *Refinish coatings for light duty vehicles and their chassis replacement parts shall meet the VOC content specified in Rule 345, Section 301, Table 1. Coatings manufactured prior to January 15, 1999 are exempt from Table 1 limits until November 1, 1999.*
- b. *Refinish coatings for heavy duty truck, truck trailers and their chassis replacement parts shall meet the VOC content specified in Rule 345, Section 302, Table 2.*
- c. *New coatings on never coated surfaces shall meet the VOC content specified in Rule 345, Section 303, Table 3.*
- d. *Refinish coatings for automotive parts which are not part of the automobile chassis shall meet the VOC content specified in Rule 345, Section 303, Table 3.*
- e. *Spot refinishing of heavy trucks shall meet the following VOC limits:*
 - 1) *600 gr/l (5.0 lb/gal) until November 1, 2002 for all coating except wash primers.*

2) 400 gr/l (4.55 lb/gal) after November 1, 2002 for all coatings except wash primers.

3) 780 gr/l (6.55 lb/gal) for wash primers.

Spot refinishing of heavy trucks shall:

1) *be applied from a reservoir not exceeding 1.2 liters (cups) and containing no more than 1 liter (1.1 qt) of coating; and*

2) *the complete topcoat of a single stage finish shall not use more than 1 liter; or*

3) *the complete topcoat of a multi-stage finish shall not exceed 2 liters; and*

4) *the total of all other coatings, including wash and primers, shall not exceed 1 liter.*

f. *Refinish coatings for heavy duty vehicles which are not heavy duty trucks shall meet the VOC content specified in Rule 345, Section 303, Table 3, except pretreatment acid etchant wash shall conform with Rule 345, Section 302, Table 1.*

g. *Coatings applied with nonrefillable aerosol cans are not subject to a coating limit.*

h. *Vehicle surface preparation liquids and surface cleaning liquids shall contain no more than 1.4 pounds of VOCs per gallon.*

24. Record Keeping:

a. The Permittee shall maintain a current record which gives the name or code number of each VOC containing product and its VOC content as received. The VOC content shall be expressed in pounds of VOC per gallon (grams VOC/liter), less water and non precursors, excepting waterborne cleaners, which shall include the water.

b. The Permittee shall keep accurate usage and disposal records in a complete and consistent manner of the type, quantity and VOC content of all VOC containing materials. These records shall be kept in a form that will allow the emission limitations of these Permit Conditions to be easily verified.

c. The Permittee shall keep a log demonstrating that all training requirements of these Permit Conditions are being met.

d. *The Permittee shall keep records required by this permit for five years. Purchase records for the current and previous year must be kept at the site.*

25. Training: The Permittee shall fully train all individuals before they are allowed to operate any surface coating equipment. Training shall include, at a minimum, proper application techniques, cleaning procedures, and equipment setup and adjustment as well as record keeping, VOC containment and VOC disposal requirements. Refresher training shall be given at least annually.

26. Other

a. VOC Containment and Disposal: The Permittee shall take all reasonable measures to keep VOCs from evaporating into the atmosphere including, but not limited to:

1. All materials from which VOCs can evaporate, including coatings, waste coatings, fresh solvent, used solvent, waste solvent and solvent soaked rags and residues shall be stored in closed containers when not in use. Such containers one gallon and larger shall be legibly labeled with their contents. VOC containing materials shall be disposed of in closed containers.
 2. All containers and mixing tanks containing VOCs shall be leak free and shall be kept covered except when the materials are being transferred or when the containers are being cleaned.
- b. Reporting: Should the Permittee meet or exceed any of the following annual quantities, the Control Officer must be notified of this fact in writing by February 28 (within two months) after the end of that calendar year:
1. Used a total of 1,000 gallons (3,793 liters) of coating (with reducer and hardener); or
 2. Received a total of 1000 gallons (3,793 liters) of cleaning solvents, lacquer thinner and wash thinner; or
 3. Disposed of more than 1000 gallons (3,793 liters) or 6,000 pounds (2722 KG) of materials to a hazardous waste collection facility; or
 4. Submitted a total exceeding 9,000 pounds (4082 kilograms) of VOC emissions in the facility's most recently completed Maricopa County annual air emission inventory form.